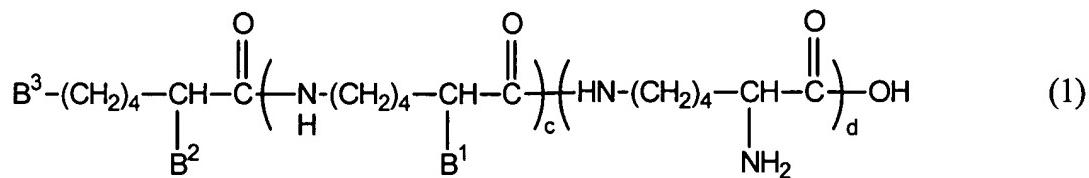


What is claimed is:

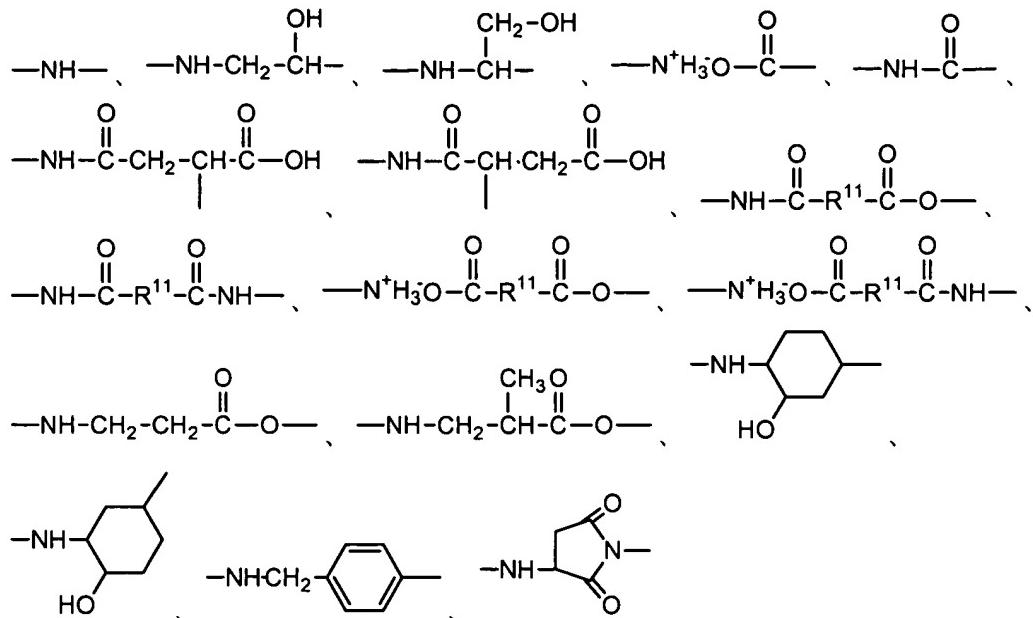
1. ϵ -Polylysine represented by the following formula (1),
 having a polyorganosiloxane group introduced into the
 5 molecule (a polymer hereinafter referred to as "silicone-
 modified ϵ -polylysine").



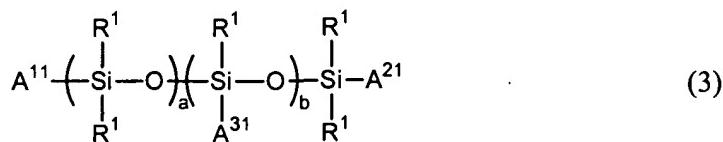
wherein B^1 , B^2 and B^3 are groups represented by general
 formula (2) below or amino groups, and at least one thereof
 10 is a group represented by formula (2), c is an integer of 0
 to 50, d is an integer of 0 to 50, and $c + d$ is an integer
 of 1 to 50.

-D-Y-Q (2)

wherein D is a group represented by:



wherein R¹¹ is C1-5 linear or branched alkylene, C2-5 alkenylene or C6-10 arylene), and Y is C1-1000 linear or 5 branched alkylene, of which any mutually non-adjacent methylenes may be substituted with -O-, and Q is a polyorganosiloxane group represented by the following formula (3) :



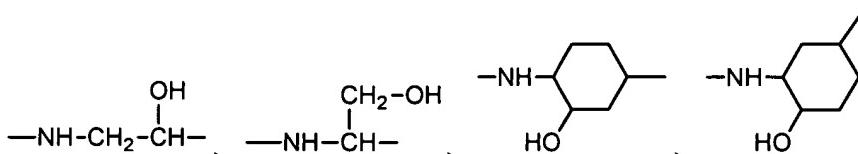
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wherein each R¹ is independently C1-20 alkyl or C6-10 aryl, a is an integer of 0 to 1000, b is an integer of 0 to 1000,

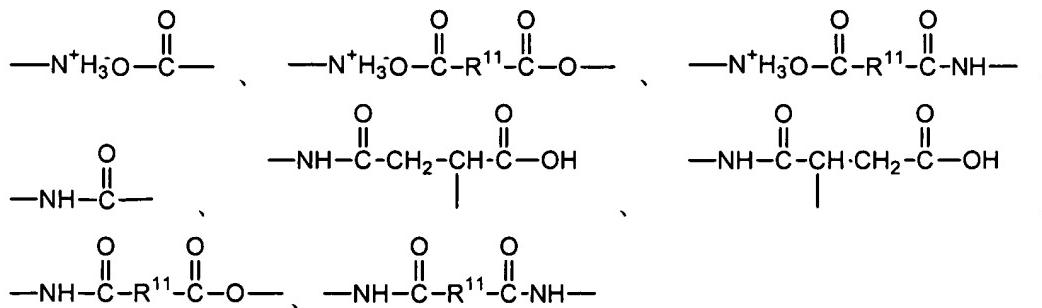
a + b is an integer of 1 to 1000, and A¹¹, A²¹ and A³¹ are independently R¹, a monovalent residue which is a compound represented by formula (1) with Q removed, or a single bond, with one thereof being a single bond.

5

2. Silicone-modified ϵ -polylysine according to claim 1, wherein D in formula (2) is one of the following groups.



3. Silicone-modified ϵ -polylysine according to claim 1,
10 wherein D in formula (2) is one of the following groups.

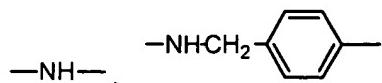


wherein R¹¹ is C1-5 linear or branched alkylene, C2-5 alkenylene or C6-10 arylene.

15

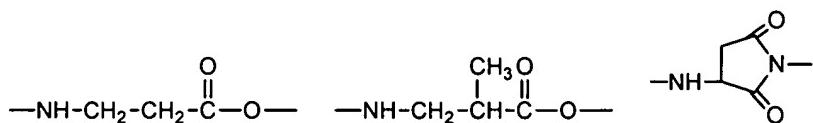
4. Silicone-modified ϵ -polylysine according to claim 1,

wherein D in formula (2) is one of the following groups.

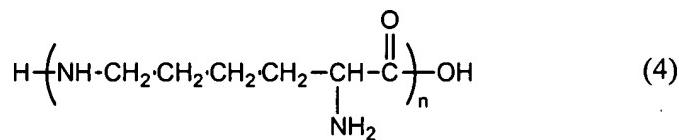


5. Silicone-modified ϵ -polylysine according to claim 1,
wherein D in formula (2) is one of the following groups.

5

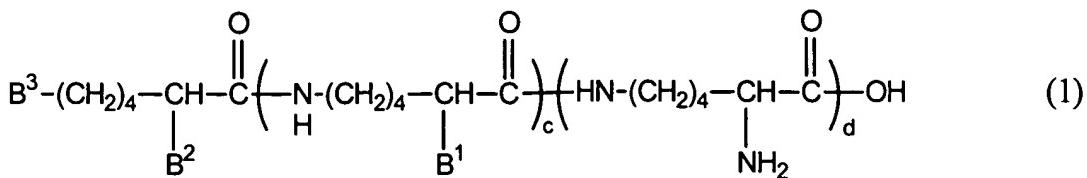


6. A process for production of silicone-modified ϵ -
polylysine represented by formula (1), obtained by reacting
 ϵ -polylysine represented by the following formula (4) with a
10 polyorganosiloxane having a functional group which can react
with the amino groups of ϵ -polylysine.



wherein n is a integer of 2 to 50.

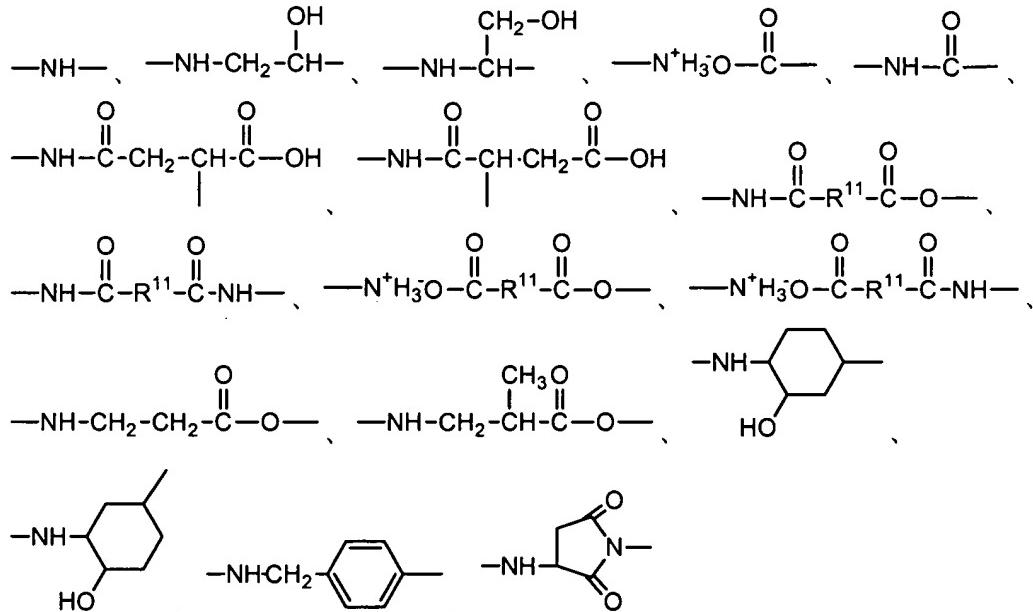
15



wherein B¹, B² and B³ are groups represented by general formula (2) below or amino groups, and at least one thereof is a group represented by formula (2), c is an integer of 0 to 50, d is an integer of 0 to 50, and c + d is an integer of 1 to 50.

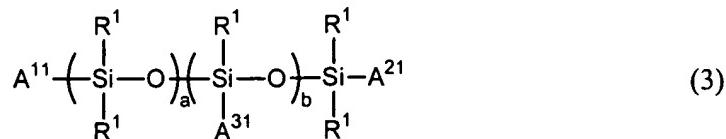
- D - Y - Q (2)

wherein D is a group represented by:



wherein R¹¹ is C1-5 linear or branched alkylene, C2-5
10 alkenylene or C6-10 arylene), and Y is C1-1000 linear or
branched alkylene, of which any mutually non-adjacent
methylenes may be substituted with -O-, and Q is a

polyorganosiloxane group represented by the following formula (3) :



5 wherein each R^1 is independently C1-20 alkyl or C6-10 aryl,
 a is an integer of 0 to 1000, b is an integer of 0 to 1000,
 a + b is an integer of 1 to 1000, and A^{11} , A^{21} and A^{31} are
 independently R^1 , a monovalent residue which is a compound
 represented by formula (1) with Q removed, or a single bond,
 10 with one thereof being a single bond.

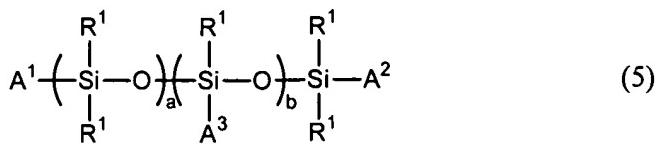
7. A process for production of silicone-modified ϵ -
 polylysine according to claim 6, wherein the
 polyorganosiloxane having a functional group which can react
 15 with the amino groups of ϵ -polylysine is a
 polyorganosiloxane with an epoxy group.

8. A process for production of silicone-modified ϵ -
 polylysine according to claim 6, wherein the
 20 polyorganosiloxane having a functional group which can react
 with the amino groups of ϵ -polylysine is a
 polyorganosiloxane with carboxylic acid or a carboxylic acid

derivative as the functional group.

9. A process for production of silicone-modified ϵ -polylysine according to claim 6, wherein the
5 polyorganosiloxane having a functional group which can react with the amino groups of ϵ -polylysine is a polyorganosiloxane with a halogenated alkyl group.
10. A process for production of silicone-modified ϵ -polylysine according to claim 6, wherein the
10 polyorganosiloxane having a functional group which can react with the amino groups of ϵ -polylysine is a polyorganosiloxane with an unsaturated group.
- 15 11. An antimicrobial agent comprising an amino group-containing antimicrobial polymer having a polyorganosiloxane group introduced into the molecule (the polymer being hereinafter referred to as "silicone-modified antimicrobial polymer" and the antimicrobial agent being hereinafter
20 referred to as "silicone-modified antimicrobial agent").
- 25 12. A silicone-modified antimicrobial agent according to claim 11, wherein the silicone-modified antimicrobial polymer is a polymer obtained by reacting an amino group-containing antimicrobial polymer and a polyorganosiloxane

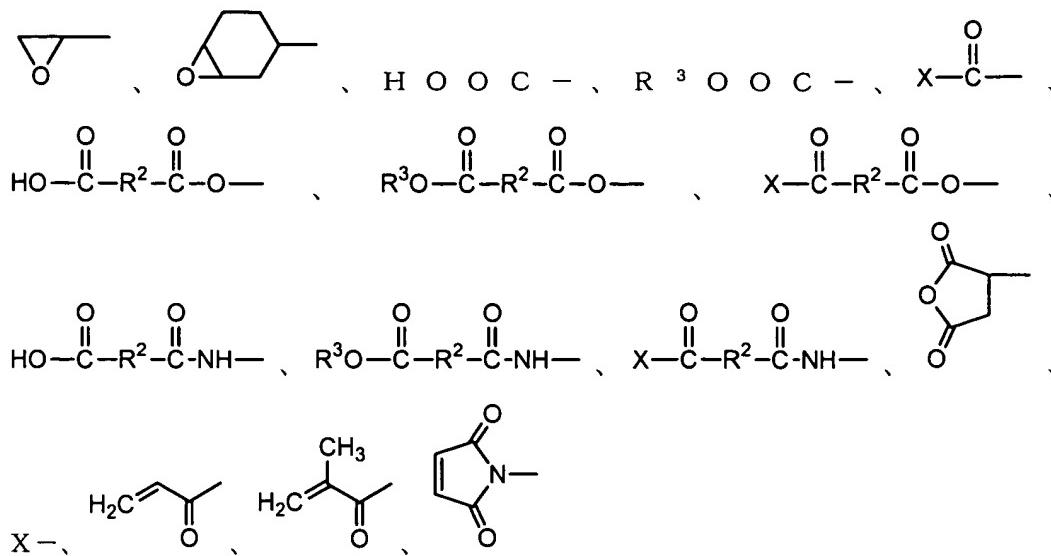
having a functional group which can react with amino groups, represented by formula (5) below.



5 wherein R^1 is C1-20 alkyl or C6-10 aryl, a is an integer of 0 to 1000, b is an integer of 0 to 1000, $a + b$ is an integer of 1 to 1000, A^1 , A^2 and A^3 are each a group represented by formula (6) below, C1-20 alkyl or C6-10 aryl, and at least one among A^1 , A^2 and A^3 is a group represented by formula (6),

10 -Y-Z (6)

wherein Y represents C1-1000 alkylene, of which any mutually non-adjacent methylenes may be substituted with -O-, and Z is one of the following groups.

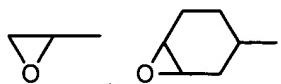


wherein R^2 is C1-5 alkylene, C2-5 alkenylene or C6-10 arylene, R^3 is C1-20 alkyl, C6-10 aryl or trimethylsilyl, and X is chlorine, bromine or iodine.

5

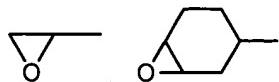
13 A silicone-modified antimicrobial agent according to claim 12, wherein the amino group-containing antimicrobial polymer is ϵ -polylysine.

10 14 A silicone-modified antimicrobial agent according to claim 12, wherein Z in formula (6) is one of the following groups.

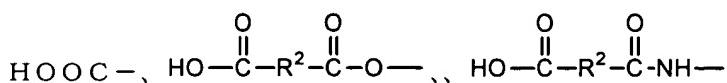


15 A silicone-modified antimicrobial agent according to

claim 13, wherein Z in formula (6) is one of the following groups.



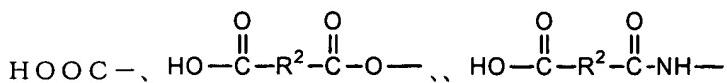
16. A silicone-modified antimicrobial agent according to
5 claim 12, wherein Z in formula (6) is one of the following groups.



wherein R² is C1-5 alkylene, C2-5 alkenylene or C6-10 arylene.

10

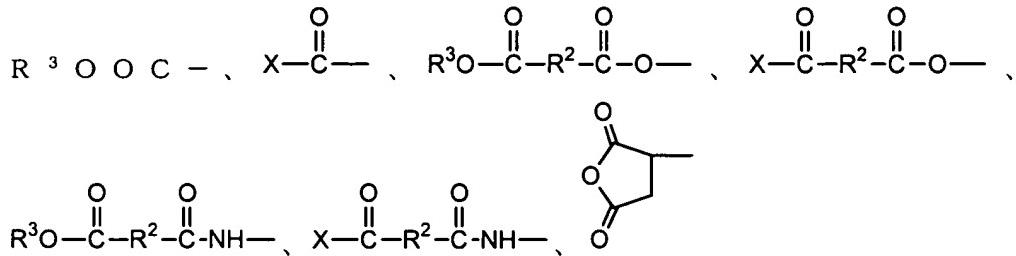
17. A silicone-modified antimicrobial agent according to
claim 13, wherein Z in formula (6) is one of the following groups.



15 wherein R² is C1-5 alkylene, C2-5 alkenylene or C6-10 arylene.

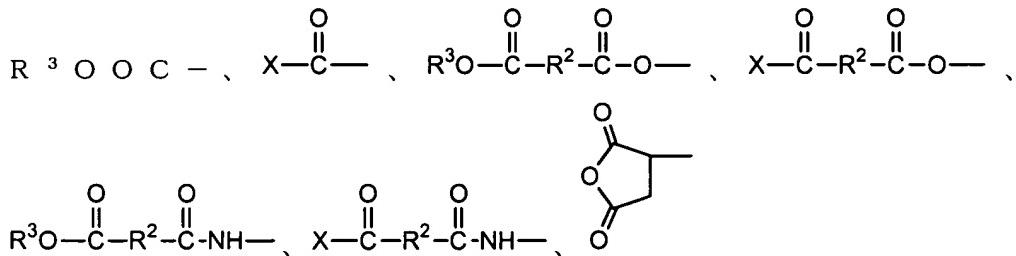
18 A silicone-modified antimicrobial agent according to
claim 12, wherein Z in formula (6) is one of the following

groups.



wherein R^2 is C1-5 alkylene, C2-5 alkenylene or C6-10 arylene, R^3 is C1-20 alkyl, C6-10 aryl or trimethylsilyl,
5 and X is chlorine, bromine or iodine.

19 A silicone-modified antimicrobial agent according to
claim 13, wherein Z in formula (6) is one of the following
groups.



10

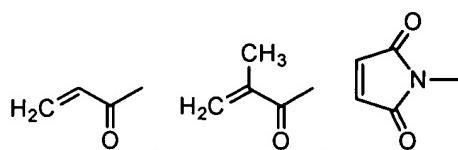
wherein R^2 is C1-5 alkylene, C2-5 alkenylene or C6-10 arylene, R^3 is C1-20 alkyl, C6-10 aryl or trimethylsilyl,
and X is chlorine, bromine or iodine.

15 20 A silicone-modified antimicrobial agent according to
claim 12, wherein Z in formula (6) is chlorine, bromine or

iodine.

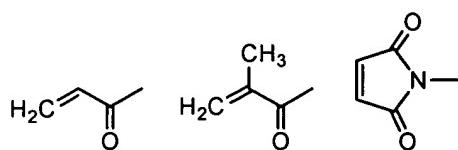
21 A silicone-modified antimicrobial agent according to
claim 13, wherein Z in formula (6) is chlorine, bromine or
5 iodine.

22 A silicone-modified antimicrobial agent according to
claim 12, wherein Z in formula (6) is one of the following
groups.



10

23 A silicone-modified antimicrobial agent according to
claim 13, wherein Z in formula (6) is one of the following
groups.



15 24. An antimicrobial agent according to claim 12, wherein
the residual ratio of the number of amino groups of the
amino group-containing antimicrobial polymer is 10-99%.

25 An antimicrobial resin composition comprising an

antimicrobial agent according to claim 11 and a resin.

26 An antimicrobial resin composition according to claim
25, wherein the resin is a synthetic resin.

5

27. An antimicrobial resin composition according to claim
26, wherein the synthetic resin is a vinyl-based polymer.

28. An antimicrobial resin composition according to claim
10 26, wherein the synthetic resin is a polyolefin-based resin.

29. An antimicrobial resin composition according to claim
26, wherein the synthetic resin is a silicone-based resin.

15 30. An antimicrobial resin composition according to claim
26, wherein the synthetic resin is an acrylic resin.

31. An antimicrobial resin composition according to claim
26, wherein the synthetic resin is an epoxy resin.